Www.tibrill a market chicken for the Chysteil Mintel

(Continuad trom page 1)

emphasized. Hor pair of Veroni-ka Pershina-Marai Akharov was considered to be smong the top contenders for the prize. The tree pair skaling programme only linished late Fridey night just belone we went to print, so we will be reporting on the so we will be reporting on tha results in the next issue.

Wo asked the well-known Leningrad coach, Tamara Moskvina, to comment on the results of the pair skaling in the short

Tha victory of Muscovites Marina Peatuva and Stonislav Leonovich, the silver medal winners at the world and European championalips, shows their very serious intention of restoring the Soviet school of pair skoting to first place, noted Moskvina. Our other pairs: Pershina-Akbarov, Larisa Seleznyova-Oleg Makarov, and huna Volumekana Valera, Seleznyova-Oleg Makarov, and huna Volumekana Valera, lyanskaya-Valory Spiridonov also showed an improvement to their skille. The performences by loreign pair skalers at the competition are also a delight to weich, showing that this apertitiat at one time looked as if it was losing in popularity is now winning an ever growing number of lans.

The Finnish sknters, hrother and claim him and Pokka

and sister Mayo and Pekka Pekksla, ore among newcomers to the competition in pair ekaling. This pair ore right at the start of their skaling career and during the summer they took lessons from Irina Rodnins.

Taking part in such a represoniative tournement as the "Moscow News" competition is very important to us, said 17-

year-old Maya.

I never thought that to many epectators would turn up on the very first day, noted 18-year-old Pekka. I am not eraggerating ii was only today that I realized how tight I was to choose figure skaling rather than ice

Our Finnish guest is quite right. Muscovites do indeed love iguto sketing and even come to



Their number over, Nataiye Kaamysheve and Rostislav Sietisyn share their impressions with

Bernerd Pord walches his chargos going through their paces.

Moscow, the tirst zoow and frost, the mass of speciators end organization are all , Italian skaler Rosseila Rossia told MNI.

"Morcow Hows" and "MH informalian" givns you n full idea of film in the Soviet Union for

the wnek.
Subscription to "Moscow Nows" ned "MH information" can be taken out with the tollowing firms.

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● The short programma for ligare skaling pairs was won by Marioz Pestova and Stanislev Leonovich, Muscovite sliver medal winners at world and European championships. The pair is conclud by Stanislev Zingk. ② Compulsory dance by Canadiaos Kelly Johnson and John Thomas.

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et the some time revealing ha character of the dauce in an in-dividual way and imparting to

il a content of one's own, aireased Furd. I think orany par-

ticipanis have managed to give their own rendering of the quicksiep, the Ravensbrick waltz and of the lange Argen-

tino—a fact testilying to the very high standards of those

inking part. Main attention was

ni cuirse, locussed on the world and European winning pair of Soviet skoters. Natalya Beste-mynnova and Andrei Bukin

They were elegant, precise and emolional. Unlike other coun-

tries, you have a whole group of duets copeble of competing tor the highest awards at the

most prestigious tournaments

of the "Crystal Skate" holden

for men's aingles and for ice

dancing. Due to the great oun-her of mole partiripants, the Sunday competitions will start

one hour earlier, at 11.45 am.

Muscovilo Alexander Fadeyev was in the lend after the con-

On Salurday, the winner of the women's single event will to determined, and on Decem-tion 5, we shall learn the names



ness of the effects of a nuclear ners will give demonstration exwar, sireued that there could be no winners in such a war since li would polish of the whole of mankind. They proved author-listively that the explosion of Raport by our specia correspondenia Alexander BUTSENIN and Konstanto one magatonne nuclear bomb ;
over a city with a population
of 1,000 000 would kill 310,000 Photos by Vitoly Biagodatos people, or one-third of the pop-Ilya Grahibovaky and Andrel ulation, and injure another / 380,000 on the very first day

allments.

The catastrophic consequences of a nuclear conflict, however, will far outweigh

what people went through duting the last World War - this

was the message that keynoted

(Continued on page 2)

SOVIET YOUTH MARCH IN SUPPORT OF PEACE

Frankelloni Weston



No. 95 (409), DECEMBER 7-10, 1982

Anuther signature for peace.

Thousands of young Musco-viles carrying placerds which read "No to nuclear war!", "We will not let anyona ex plode the world?' eneverged on Moscow's Kursky Rallway Ter-minal on the morning of December 4 lu welcome lha "Komsomolskaya Pravda" newspaper

Setting fill from the lown of Sovietskaya Cavan on the Paci-fic coast and bound for the town of Brest on the country's weslern Ironliers, a run of 20,000 km, the train has already covered 14,000 km passready covered 14,000 km passing through Tynda, capital of the Balkal-Amur Railway, Komsomolsk-on-Amur, Ekibasiuz, Novosibirsk, Omsk, and pasithe Kama Motor Works to the city of Brazhney, and the Atomnash Plant in Volgodousk, Everywhera it alopped it mas greeted by people sager, to sign an appeal to the 37th Season of the UN Genetal Assembly, and a message of prosembly and a massage of proquarters in Brissels. Altogether

bright-red with a white stripe renoting horizontally along its

ruo. We young people, il is stressed in the appeal, are con-carned about what lomorrow will bring us. We are deler-mined to work bard to head oil the threat of nuclear war and to pleserve a lasting and lair .

peace for all nationa and peo-ples. Let us curh the forces of medoess and war. An elderly woman added the following tootnote to the appeal, We will not let anyone explode tha (Continued on page 2)

'CRYSTAL SKATE' SETS THE PACE FOR FIGURE SKATERS

- The editors of "Minscow News" and the USSR littura Skuling Federallon congratulate the witness and prize holders of the 17th "Abscow News-112" tigure Skating Conquelition.
 "Crysial Skates" and gold medals went to Muscowites Veroulka Pershina and Maral Akbarov in pair skating; in Netatya Bestandard
- tempanuen and Andret Bukin in he danctug, and to Kira Iva-
- over and Alexauder Valleyev in single skaling.

 Silver pilzes were won by tailse Selezityova and Oleg Makeror;
 Olga Valorihitskeye and Alexander Seluin; Anna Kondreshove,
- Itanzo metals were awarded to Yelena Valuva and Oleg Vast-lyoe; Matho Khmova and Sergot Philippacenko; Anna Antonova, and the Czechoslovak skater Josef Saharrik.
- The 268 Soviet and loreign fournalists present as well as the specialists named Natalys Karamyvicya no Aliss "Moscow News", the most beautiful and charming of the compeliture. This is the flist time in the 17 years of the competition that a Soviet skater has been accorded this longing,
- The prize for the first foreign dancing pair sponsored by the Mechdunarollaya Kniga Publishers was won by the Canadiao dancers Kelly Johnson and John Thomas.

 The Leningtader Igor Bubrin received more applicated and flowers
- than any other skates.

 Ruck 'n' rull, included is the programms for the first time as an original dance was a particularly popular tiem at the competition, Several dancing pales those rack 's' roll for their encore at the demonstration performance. The Englishman Beroard Ford, many lives world and European lee deading champion, told journalists that Olgo Vulochinskaya and Alexander Sytnin were
- in his opinion the best tock performers.

 The compellitue in which skaters from the countries look part was watched by massive crowds at the Lenin Central Stadiom Palaca of Sport in Moscow. The compellition was televised over the intervision TV nelwork and also to Australia and Japaa.

The above then are the results ol tho "Muscuw News-82" Competition which has given planty of lood for flought to all those taking part as well as to compe-lition grests and to lans. Most of the skalers will soon be comas in European and world champtonships. And it was in the light of these loctbcoming skating avents that experis

t believe there are three com-ponents that will bring aucceas in pair skating in this pre Olym-pic season, said the well-known coach. Tamara Moskving, Abova all the programme must be speciacular; it should be distin-guished by a high lavel of complexity from a technical point of view, and aboute be given a faultiess performance. But in

their pertormance by adding to own which their contantlers find it bard to rivat. For example, for the current season I coached my pair of Valova-Vasilyev in three and two and a hall turo jumps to combination, something tha no other pair performs of the present time. Technique requirements for figure exalere are higher today than over, and the skotare taking part in the "Moscaw News" Competition demonstrated the outlines of their Olympic programmes using it as a rehearsal in which to try out rombler items for the 1984 complex itoms for the 198 Olympics.

aridition the skators should can

Stacked the coach of cham-pions, is in luly agraement with

(Continued on Sage 8)

B

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AL THROUGH

Natelyn Besteinyanova and Andrel Bukin.

$\lceil V_{\Lambda} V \rceil$ ATTENTION. SUBSCRIBERS ABROAD DEAR READERS,

"MN information" comes out on Tunsdays and stimutates and offers to brief the talest information on events in the USSR and in the world reported by TASS and breign news egancies. Nothing short of the mountain carried in the additions of both

COSTON NEWSTRANDS

30

N. Carlotte

12, Exploration Lane, Mnibourne, Victoria,

75, Bulwer Sir., Pniff, Western Australis, 6000*

DENMARK

ETNIOPIA

Kuraz Booktiora

and John Thomas.

feltow countrymen.

watch the compulsory programma. Especially when it to performed by daucing ducts. It would be difficult to find a better commentator of the competition than Englishman Bornard Ford who be the computer of the competition of

Ford who is attending the tour-

nament for the second time as coach to the Canadian figure skalers—he trains Kelly Johnson

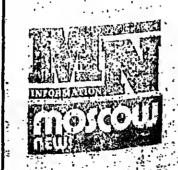
The complexity of the com-

polsory dance lies in the fact

that you have in keep within a

fixed general framework, while

For all quastions involving occ-receipt of the paper, delivery of the paper to a new address,



Knyazev

EDITORIAL BOARD STRUCTURE STREET

Address 16/2 Corky gl Mel-cow Printed of the 1874ffff Press Moscow USSA Published Tuesday and Selunds Index 50078

MH THIORMATION No. 94 (98)

New York. The world com-munity of nations has condemned the mase killing of Palcetinians and other civilians in Beiruf last Soptember. A resolution epproved of a plenary meeting of the 37th Session of the UN General Assembly clso expressed indignation over the isreeli aggression against Lebannn, which threatons debility, peace and eccurity in the

The UN urged ell nations, relevant UN organizations, spelemational bodies to give sup-port in the Palestinian people by uphelding their sole legitimate representative, the PLO, in its drive to restore their right to self-determination and fude-passance to line with the UN

for end only 17 against, prominest among the latter were the United States, Its closest NATO allies end Israet.

for the Prevention of Nuclear War'

NATIONWIDE CONFERENCE IN MOSCOW

(Continued Iram page 1)

of the explosion alone. Though the situation is ecclous, the fireat can still be sverted, reeds an appeal issued at the conterenco to all Soviel doctors. In order to save the planet from the nuclear threat one musi liave the courage to reeort to redicel meesures such as naiting the growth to nuclear ereanels, freezing the production and deployment of nuclear weapons end the means of their delivery, end putting en end to nuclear weepons lests.

We doctors have a speciet responeibility in this field, it is emphasized in the appeal. Care for peopla's health is inseparable from the drive for the pre-servation of their lives. No medicet worker cen efford to remain indillerent to the cempe-

VIEWPOINT

ign to atevo off nuclear war. A reply was issued at the con-ference in the appeal to Euond Congress of International

nf Peace end Todey's Internetional Community", was deli-vored by Valentin Falin, Member of the Council for Disarmethe CPSU Central Committee's International Information Sec-



The Samural fkebana.

Drowing by V. Ginukov

Meeting of PLO leaders

Aden: Leaders of the Palesti-nien fronts end organizations which form part of the PLO beve met under the chemplon-ship of PLO leader Yassir Arelat in the capital of the People's Democratic Republic of

efter the meeting, the PLO lea-ders note that the Areb people of Patcatine ere ready to continue their struggic egainsi lise incessani inirigues of imperieism and emphasize their desire to develop all-round retailone with the Arab countries, end to expand cooperation with the non-eligned and Moslem nations and with the eocialist states fed by the Soviet Union.

The document notes that the PLO rejects the Americao plan for a Middle East "settlement". es well as the separate Comp David accords and all attempts to imposo a so-celled autonomy on the Pelestinian Arabs which ignores their national rights. The PLO will continue its armed reelatance on territories occupied by Israel and to atrengthen its fighling power and the unity of its ranks.

CONSTITUTION FOR CHINA

> Peking. Xinhua-TASS. The 5th Session of the Chinese Na-tional People's Congress of the fifth convocation has approved a new drait constitution for the country; the fourth since the first constitution was adopted

R. BARRE ON

EUROPEAN

RELATIONS

AMERICAN-WEST

Washington, Relations between the United States and

West European countries

recent years have been marke

ister Reymond Barre.

inleunderslanding, stressed former French Prime Ma-

Speaking at John Hopkin

University he pointed out that Western Europe is a witness to the degradation of American lendership as well as to the

political and economic cises

rocking the United Sistes. Differences between Washington and Ita West European allics are

particularly abarp in their approach to relations with the Soviet Union and other socialist countries. A number of West

European governments, as dis-tinct from the American ad-

minletration, do not consider that the Soviet Union threatens

their security. Soviet military

programiues are defensive in

nature, he stressed. At the

alatementa by American lead-

ere on the possibility of "limited

miclear warfere" in Europe were

leading to onxiety on the cont-

nent and to an upsuige in the

powerful anti-war movement.

back in 1954. The draft gives more powers to the Congress and to in Stooding Committee, restores the post of Chatragan of the People'a Republic of Chine and providee for the establishment of e new body, the Central Mittery Council of Chica The cha!rmandn!p electers

ere to be held at the Congless first session of the new sinh convocation.

SOVIET YOUTH MARCH IN SUPPORT

(Continued from page 1)

The aession siso passed a feeolution restoring the ceiller text to the country's state enthern changed in March 1978.

OF PEACE

world!": "I bave three children and em prepared to see my name 2,000 times to prevent The children of miners well-

WORLD THE



THE SPUTNIK LIFESAVER'

Sao Francisco, AP-TASS. 'The spuintk lifesaver" is how many Americans describe the foriet Kosmos-1383 salellite which is playing an important pin to the implementation of the informational SARSAT proect to set up e aysiem for pitting ships and pintes in

According to a representative of the US Federal Avintion Minimistration, a dozen planes vers located, efter thay crasbed, with the halp of the Soviet satet-We which was put into orbit of June 30 this year. As e reselt of cooperation batween found services and reconnalsunte groups, the lives of eight feople have been saved in the falled Sisles slone.

At the end of November, Kosms:1383 belped elass of civil mistion pairol locate enoiber place which hed creshed neer the diy of San Diego, in California

RECOMMENDATIONS

Rangkok. The developing touniries of Asie and the Pacific lash should expand their experience of markels and build up linke with new trading partners to lasen the impact of the ecute tonomic crisis now gripping as capitalist world. Such was the tecommendation of a session of the Economic and Social Commission for Asie and the fields (ESCAP) held in the Theorem 1968 of 22 neilions in the tecomorphism. losed of 22 netions in the re-

PEOPLE

the judicial suthorities in the same have dropped the in-War criminal Kurl and dictalorship was a clore conident to Himmiar and Eichconident to an in the countries ocspeed by the nezls. He also enspeed in robbarlas and pillespeed which allowed him to aswhich allowed him to as-

000 A 25-year-old Briton, D. Hel-bril by loot from Cenada to the North Polo, Reuler reports. Intends to cover the dis-

Callium ersenide, e promi-sing material for high-speed se-miconductors, has gone into the making of an integrated circuit developed by the Nippon Tele-graph and Telephone Public Cor-poration. The corporation has announced that it has succeeded in the little manufacture of a announced that il has succeeded in the irisi manufacture of a large-scale integrated circuit (LSI) with a memory capacity of a kilobits, the largest in the world (on photo). Unlike silicon which has been used to date in semiconductor devices, gallium

The Picasso Centre, which was recently opened in the small French, town of Montigny les Cormalles, features a municipal and town hall with accommodation for public meetings, a thealre and concert balls, as well as a post-office and vari-

ous municipal services... Easy eccess lo the centre's many buildings is provided for both pedestrians and drivers fine complex was designed as a gravily centre! for the bowns. folk it has a small exhibition of All Japanese M. Uemura was folks it has a small exhibition of the person to reach the works by Picasso end will all the but he used a dog feats. works by Picasso end will also be the venue for concerts by

OF INTEREST

An inisrealing discovery relat-

The designer of the medal adds a further explanatory Gultenberg's teacher, who in faci invented printing and that his ungrateful student stale the letters and ran nil to Germany

or "We are the greatest!"

SOUTH-EAST ASIA

WASHINGTON'S INTEREST IN

of Battle of Narva

Seysrul original military maps which belonged to King Kerl XII of Swedsh, plus other valuable publications, have been lound by stall to the warehouse ni a second hand bookshop in Goleborg. Ons: of the maps rekales to the Baltis of Nerva be-tween Swedish and Russian Licops, in 1700.



FROM the SOVIET PRESS

Commenting in IZVESTIA on the recently ended list sloge

Commenting in IZVESTIA on the recently ended lirst stage at the NATO winter session in Brussels, which specifically approved the decision to place Craise and Parshing mistiles in Western Europe and emphasized the NATO members' intention of devaloping both nucleur and conventional lorces, G. Deinichenko stresses that this decision confirms that the altimate is bent on continuing the arms race. The steps outlined in Brussels, he etresses, are in fact designed to whip up tension, By approving these measures, the NATO top crust are living in the loca of the broad masses of the public in Western Europa who want to preserve detents and consolitate peace in lact, no natice was taken of the important Saviet peace initiative. The NATO leaders responded to a search for concrete agreement on the most neuto international

soviet peace intilitive. The CATO icuters responded to a search for concrete agreement on the most acute international tasues by their emphasis on configuration and the confirmed orms race, thus confirming the perilous nature of NATO policy, Deinichenha public unit.

Concern has been sounded lutely in countries in the south of Africa over the possibility of the circulan of a South

Atlantia Trenty Organization with nuclsi South Alticu as its icuder, writes M. Zuripov, the Soviet weekly NEW TIMES's own Lushkn correspondent, Why should these plans, which have ostensibly been folicit many times by life tisell, lave resurinced? The answer has to be sought in another part of

the Attonic.

Wastarn pawers have long viewert South Atrico as a reliable partner occupying an advantagenus lucotina on an important sea tane from the Atlantic to the Indian Occup. Rolying an her military buses and on times in other enumities of the region, they would like to control vist exponses from the shores at Australia in the Atabian Peninsula and Tietra del Fuega, the lutter inving been declored by the Reagan administration to be a zone of its "vital interests". After's proximity in the cities areas of the Middle and Near East figures while prominently in SATO pinns. For its part, Premin

tigures thite prontinently in SATO plans. For its port, Pretarin regards the West as its economic partner and as on ofly in the drive against the national liberation movements, Zaripov

The principal obstacle to nuclear arms inlks, both in

The principal obstacle to nuclear arms talks, both in medium-range and shale-the categories, is not the complexity of the problems under discussion—they have already been maked by hoth shies—but the American relucioned to nehieve agreement on the basts of partity and equal security. Austroly Gromyko, Corresponding Member of the USSR Academy of Sciences, emphasizes in liferaturnaya GAZETA. At present Washington is speculating on the abjective and natural asymmetry of the strategic lorces of both states, offering embacks which would give it unlineral advantages, are to day out the talks by charging the USSR with being inductable. But the bulance of strategic lorces, recognized incidentally by authoritative interactional institutions and by many politicians, is an existing parity of disproportion on

muny politicians, is no existing parity of disproportion on either side. This simple truth is being concented from the

American people, Anusly Gronyko stresses. One would like to believe that the American common sense and instinct for survival will ultimately prevail over the infantile philosophy

In reviewing a recent tour of South-East Asion nations made

by US Delense Secretary Weinberger, the KRASNAYA ZVBZ-DA newspaper analysi A. Goits concludes that Weshington to plocing increasing emphasis an this oree and that there are several reasons for this. For the United States this region has always represented an important source of raw materials, the ASEAN nations meeting 90 per cent of American needs in natural tubber, 78 per cent of their needs in tin as well as providing it with a fail.

nt forces in Shuin-West Asin and the Indian Ocean. The di-rective also has direct bearing in South-East Asia where severel rapid deployment force units are sintlemed, indeed, the paper continues, American etrelegiste ere planning to use the latter area as a transshipment point for its troops and ar-moments end cansider that for the success of their future aperations it is essential as from today in take control of the straits lithing the Pacilic and the Indian oceans.

DETENTE OR CONFRONTATION?

NEW MILITARY BLOC IN THE OFFING?

PERILOUS PLANS

UN CALL

The resolution vote was 120

'Physicians

ropean doctors from the Section of Nuclear War". Every participent of our con-lerence, it is stated in the reply, is ready to eign your eppeal,

rope. The concern for the destiny of the world expressed at your congress, is fully shered A report, entitled "Problems

ment of the USSR Academy of Sciences, First Deputy Chief of

Alexel VASILYEV*

TWO CONTRADICTORY TRENDS IN REAGAN'S POLICY

President Reegan's decision le daploy the new MX nuclaer mis-sile is aimed ei undermining tha strelegic psrity esisting between the United States and the USSR end of eccelerating the nuclear arms reco in the most dengerous ares which could well desiabliza the world stretegic situa-

il is now particularly clear that there are two coatradictory frends to Reagen's policy; the desire to effain military superiority over the USSR et ony prica, eccompanied by wish to dictere to the whole world, end en effection to complete an effection of the complete an effective that the complete an effective of the complete an effective of the complete an effective of the complete and the complete of t tempi to convince en elemad word public opialoa oi tha sincarity of Americaa pesceful sistements.

Reagan is trying to justily his MX missile decision by the alleged beed to "contein" the Soviet Union. The president, what is mote, is giving a fot of clapter about the aeed to consolidate stebility which, so he says, would be ensured by the deployment of an MX. In his latter to Coagrass on the subject he asked for support for his plas to reise the power and survivelability of lead-based missiles. The president's arguments are The president's arguments are highly contradictory and self-seeking. eaking. In the first place, the Amer-

A. Vasilyev is a Soviet ex-

such as command contros, contimunications, facilities, iCHAS,
etc., in a light strike,
it ghas without sayleg that the
addition of a new tysior alemant
to the American strategic forces
will in he way contribute, towards consolidating slability. On
the controy, it will waken it
by edding thousands of mora
powerful and accurate warheads
to the assensic les regards its
cepsbility to wipe out highly
protected jargets one MX is
aquivalent to 15-20 Minuteman-3
intercontinents billistic relisties
and in readment Intercontinental bellistic missiles and is designed for a first knock-out siriket. And this can only force the other side to respond in kind. Thus, as Soviet Minister of Detence Dmitry Untines has postated out, America

will be unsuccessful in geining military adventage either at the stage of preparetion in nuclear

community spells out a rough perity of both sides; need for medical counterforce present in the strategic potential collection in the strategic potential able auclaer superiority which is its coveted goal.

Second, the idae of stebility as adopted by the international community spells out a rough perity of both aides in strategic nucles; erms with a smulteneous lowering in both the general level of nuclear controlted in the so-cellad counterforce potential of both sides, i.e., of the ability is destroy the enemy's detences; such as command contrast, cost munications, facilities, i.e., of the ability is destroy the enemy's detences, such as command contrast, cost munications, facilities, i.e., a flest section.

rations. Thus Reagen has faken yet another step towards the turther croston of erms control and mutual trust.

The president's attempt to "reconcile" the MX deproyment with the SALT tasks has been described by the America modia as an attempt to test cuit the theory that America has to ream before it can cut been by nuclear amaments—a strategic partly, a lect receasive conflimed by Rosbert C'Nelli, director of the Londen Institute for Strategic Studies, such a move by America, even it ultimately almed all some sort of talks, rules out talks conducted on the basis of reci-

precity, equality and with due eccount being taken at the se-curity interests of either side. It is clear, therefore, that this is an American trick to headwink public epinion, end emounts to nething more then en ettompt to justily its striving for suporter

Significantly, Washington has again stressed the need for reinforcing all three elements of its nuclear stretegic triad—submerines, bambers and ICBMs. True te lorm, the president, even in seeking to cenvince public epinien et his peacelul (nten-tien, is still rejuctent, even in show, in abendon his plene to stieln stretegic superiority, which ere by no mnens conlined in boosting the numbers of lend-besed missiles. The American inng-term programmes for deve-loping submerine-besed Tri-dent-2 ballistic missiles and the naw B-IB stretagic bomber designed to cerry long-renge cruise missiles eavisage bolstsr-ing the above counterforce im-mensely destabilizing potential, in order to upset the overall strategic belease

Finelly, in his letter to Congress the president stresses his willingness to consider entitle and Lebanon, while show that a simultaneous forms. willingness to consider entire missile delences. And shough in a simulichaous sidement be leiks, contradicting himself, of his rejuctance to jeoperdize sha esting freety on anti-missile delences, his subsequent clefting in the subsequent clefting from the subsequent clefting from the subsequent clefting from the subsequent clefting from the subsequent clefting in the su

Alleging the need to fight terrorism, the South Africans supported by the United States are waging an underlared wor against Angola. The South African soldiery regularly violate Angolan air space, bomb sajor projects and kill representativee of the peopln's power and intellectuels. In the photos: e South African assault party lends in Angola. Ractets paint their faces black so thay will be mistaken for the so-called insurgents.

Photos by TASS

Science and technology

HEAT LOSSES RECORDED ON SCREEN Engineers and scientists in tical leases and focussed on the GDR are carrying out intensive studies with the aim of reducing heat losses in bousing ducing licat losses in bousing end industrial buildings. This work liss been undertaken by the GDfl Academy of Sciences in cooperation with power engineers and the loterfug airline. The project involves spot-

ting heat loakages from air. The procedura is based on the following principles. Any source of heat emils infrared light. This is ceptured by op-

fluenco of infrared rays. The resulting thermogrem is trans-mitted, elsment by element, into an electronic memory, out is subsequently transformed into e television picture by microprocessora.

The study of heat leakeges is to cover every part of the re-public. Much fuel is expected to be saved.

GALLIUM ARSENIDE LSI FOR FASTER COMPUTERS

Woshington's interest in South-Ensi Asin also stems from its important strategic eignificance as a crossroads of sea and oir lanes linking that continents, its volue for the Pentagon has increased still further in the light of a recent directive issued by the American multiory outhortiles which categorically demands a shift in emphasis in the placement and use in forces in South-West Asin and the Indian Ocean. The directive also has direct bearing an South-Rost Asia when

LSI to function faster and to consume less electricity. This development opens the way for ersenide LSI which permits computers lo calculete ten to 100

Coster

An inistabling discovery telating to the history of printing has been made recently by frogmen diving in the English Champel who brought to the surface sallors collers lound on the submerged weach of a Dutch salling whip. One of the collers contained a silver medol collect to the through in 1740. A book contained a silver medol coined in The Hugue in 1740. A book is depicted on one side of the medal and on inscription which reads "Guttenberg from Mains".

On the other side is a text to the silver that 300 years balme whit dote, i.v., in 1440, the Dulchman Laurene Coster invented

8

ANOTHER 18 FRAGMENTS HAVE BEEN UNEARTHED OF THE LARGEST STONE METEO-RITE TO HAVE BEEN FOUND TO DATE IN THE USSR. II weighs over one lonne. The hegmonis were discovered in the Yolgngred Ragion (tha Yolga nras al Iha Russisn Fedors-(lan) by a USSR Academy of Sciences aspedition

THE 65,000-TONNE "MAR-SNAL YASILEYSKY" TANKER, ONE OF A SERIES OF ECOLOG-ICALLY "PURE" TANKERS, HAS BEEN LAUNCHED AT THE KERCH ZALLY SHIPYARDS IN THE CRIMEA, Even II IIs hull is damegod there will be no den-ger of its cengo of all politing the sea.

AN IMPORTANT STAGE THE RECONSTRUCTION WORK AT PRESENT IN PRO GRESS AT THE IONAVA AZOT ASSOCIATION IN LITHUANIA HAS COME TO AH END: an ammonie-producing complex has gone into sarvica. This will halp hoost emmonie output to 450,008 tannes e year.

A WEEK OF RUSSIAN CULTURE WAS RECENTLY HELD AT LATVIA'S EDUCATIONAL ESTABLISHMENTS, IT WAS OR-GAHIZED TO COMMEMORATE THE 40th AHNIYERSARY OF THE FOUNDATION OF THE USSR, Laivian collegas end schools were visited by writers. composers and ertists from Mos cow, Leningrad and other Russien cities. They lack part in poetry and music solves and the erists put their work on show of exhibitions.

REPUBLICS

FROM the SOVIET PRESS

In 1979, workers accounted for more than half of the gainfully amployed papulation in 14 republics, and only in Turkmenian SSR did this share amount to

45 psr cant, writes the POLITICHESKOYE SAMOOB-RAZOVANIYE fournal. By the early 80s, the constituent republics had noticeably drawn level with each

other in the proportion of intelligenism to gainfully employed population. Today if it true to say that an

average throughout this country and in all republics, including those which at one time had no intelligents to speak of, closa on every fifth person employed in

the national economy is a specialist with a higher of

ondary apecialized education. The very last rates at

ndustrialization, undertaken within the tramework at

the country's unified economy, particularly in the case.

lary stole belove, have facilitated urbanization and

the growing proportion of urban population in all the sapubles.

In 1980, between 63 and 71 per cent of the papula-

tion of eix republics lived in cilies the equivalent

figure in the case of lour others was between 52 and

87 per cent, three republice had on urban population

between 41 and 48 por cent and only in two republice

- Kirghisia and Tofikiston - did urban dwelfare oc-

sount for under 40 per cent -- 39 and 34 per cent

respectively. Twenty years ogo, urban dwellers oc-

cojuiled for under one half of the population in it re-

publics, today this holds good of five only.

PRODUCTION IN SIBERIA

BROWN COAL

URBANIZATION IN THE SOVIET

WARMTH FROM THE DEPTHS OF KAMCHATKA

More than two bundred but surings and out icis ol hoi sicanis bavo been diacovered an Kam-chatka, e peainsula in the Far East, The main reserves of hat water and eleam here lie et s depth of 500 metres and deeper.

Hydrologists working on Kamchelke are slud-ying how is harness this cheep source of heat in order to produce slectricity and in heat hames and greenhouses At present, hot aubsolt water is stready in use

al a holhouse complex to the selllement of Paralonka and helps is keep houses warm at two pilon selliencents. This country'n Urst geothermal power sinilaa is aiready in operatian on the Pauchetka River, its original railing at 5,000 kilowalts has been doubled. The atetion supplies efactririty to the scitlement of Ozer-

Al the moment, Knuchalken hydralogists and votcanologisia are explaining the glant Mutuov-sky genthermal lield in eastern Kamchetka. Their investigation has shown that it is unique In that the temperature of the signal-and-water mixions hore in 274 degrees and has a pressure of 25 atmospheres. It is planned to build a geothering power station to produce 200 thousand kilnwails.

Today, ten wells are being siglifed prior lo building the station on which work is lo start in the near tolure.

On one of the rigs.



Fertility stone

The Artiklul combine in Artoenia hos sintled production of pulverized lufa and lava. Porous materiels have a welldeveloped capillary structure in which woter is niwnys in flux and thus excell the best soils, as ploms can fully use the mois-ture closed in the former. They also provide belier soll seration, raiso ils bloactivity and givo more heat to the fields. Many years of research in the republic have yielded humper crops of corn, sorghum, granes, melons, and gourds grown on soll using

Test have revealed a marked improvement in crop quelity, with a higher proportion of protein, mw protein and sugar con tent boing faund in crops grown on coll led by porous materials. According to Armenian sci-

entists, such majerials could be used to good effect outside Armenio, too, os there are volcanic coils in many parts of our country.

Asphalt concrete tests on the Angara

While builders at the Bogu cheny hydropower etatloo in Western Siberie speed up lho rate of operations in the con-struction of the concrets spillway dem, the designers carry checks to accertain the eflect lible will have oo the loose soil dam. For the first time in the history of Soviet hydraulic engineering, il has been decided to use asphalt concrete as a wnlerproof malerial. In order 10 facilities tests on the rock-soil dam, o structure that is destion of the drup has been built adjacent to the Braisk power

High tension transmission line goes into operation

A 159-kilometre powei Iranemission line has been put under industrial load between the citles of Ual-Kamonogorak and It is the first line to tronsmit

electricity at live hundred kilo-volt from the Yormskovsk Thermal Power Station, in the Pavlodar Region, to Eastern Ka-

The commissioning of the line will increase the energy potential of the Rudny Alial

A high degree of engineering skill has been demonstrated by Tobol assemblymen in Western Siberia where a chemical combine la under construction. They have put up a recillying column weighing elmost 1,000 tonnes, the liral lime that this has been ochleved in the country.

A floating

Minsk tractor brilders will

presumably be very surprised to see their new Belarus model

fording rivers. Hanks to specia-lists at the Leningrad Timber

Following apring flowds when the level of timber-floating n-

vera embsidee, logs and broken

free alumps dot the adjacent

meadows and pastures. Marshe

proclinde their being livated and

collected, however, and this is

where the Hoating tractor comes

in handy. Stourd in a ship's hall,

It can move rin and down the

ilver using a special engine.

Surh a troctor takes far less

time than previously in cleaning

up obstructions and keeping up

egular finter licaling opera-

tions. To alrove logs into the water and clear their ple-up. The tractor boasts special buildo-

zer fillings und claws, and is

also oscable at liosting been

oll and gas lields and hydrotech-

nical construction elles.

Assembled

on site

Floating Research Institute.

tractor

: The 89-melie-long siructure wee fixed on a special rail cart Winches lifled the giant structure holding Il auspended come time before lowering it inla piece.

The column was pasembled on elte which resulted in o for hour saving to time.

to go up at the combine. They will form o gas-tractionating in . leialitation 10 be commissioned naxi year lor the morn rational

cribed ea nn experimental lrac-

atals have estimated that hundreds of billions of lonnes

or coal could be strip-mined there.

Quarrying the coal in the back is a simple operation, as the main layer of between five to 90 metres fles very close to the autioce and can this be mined using high-powered excavaling machinery. Given the same capital investment, the basin could produce eight times the amount of could coming from the Donbase basin, in the Ukraine—the country's first coal-mining orea, Cool. is already being mined of Konek-Achinek. The quorried. average capacity of 30 million tonnes (twice that of the old basins) is central to the high eliciency of coal

ARCTIC SEA ROUTE TO BE EXPANDED

mining in the basin.

The land beyond the Polar Circle and the entire ... shell zone of the Arctio Ocean le o huge treasura-house, writes the GUDOK newspaper. Scientists tram the Siberian Bronch of the USSR Academy of Sciences have deviced o long-term programma for the complex development of this grea. According to this pro-grammo, the Arctic will be turned in the juture into a whole chain of industrial complexes, Some have al-ready set up in Murmansk and Norlink, for instance, while others are or yel spole on the man which eland for the Khanlalka and Billbino hydropower projects, and for gas fields at Medveshye, Urengot and Yamburg.

The newspoper says that this major anargy programme for the future will mostly rely on round-theyear havigation along the Arctic Route which, in the

There are vast resources of brown coal in the Knask-Achinsk basin in the south of Central Sibario. In the next lew years, the merchant marine will rewrites the VOPROSY EKONOMIKI magazine. Geolo: serve a turther 259 vessels, including ourgo ships with

on ice-breaking capability. The lotter, having a dendweight of 20,000 tonnes anch, will be oble to lidve th pocked ton up to one metre thick, combining the lunc. lions of o to-to ship, o bulker ond container carrier. ...

MUSIC FOR YOUNG PEOPLE

Musio is the art that the she alrangest effect on one's leatings. Since childhood it touched the most secret cornents. I nere at our soul. Music can be life-long companism. But how alter is that the case! asks B. Terentysy. But how alter is that the Moscow organization of chairman of the board of the Moscow organization of the USSR Composers. Union, in MOSKOVSKAYA the USSR Composers. Union, in MOSKOVSKAYA PRAYDA, what is wanted to permanent aesthetic education, the cultivation of a taste for good music in people eince o lender oge.

Childhood is the best time for moulding o harmoni outly developed personality. The cammission of the countries Union in obdivinge of music for children on tenagero bronzen have ge of music for children on tenagero bronzen food steal Sotreon for Teanagers, which are regularly broad at the countries of the cal to the whole country over TV hamber of the cal to the whole country over TV hamber of the Compasers Union take part in the Pathiting hising and Lile sofrees arronged to sanior schoolchildren at the Tretyakov Gallery. The Schoolchildran's Day held every month of the Bolchot Theatre is much looked lorgered to be seen to be see every mouth of the Bolchot Theatre is much looked forward to by young propies. On such occasions, they not only hear performences by leading musicials they also itelan to fecture by music orilles on the history of music, and on the the of composers. The Children's music, and on the the of composers. The Children's music, and on the the bi composers. The Children's music, and on the the bi composers. The Children's music, and on the the bis composers. It work in promoting the music of Soviet composers.

aported, outstrip the 3,200 km Batkol-Amur Railway now under canstruction by the baginning of the 21st Music Weak and the special programmed circumset of the 21st Ing the Moscow Autumn Pastival usually altred a vell ing the Moscow Autumn Pastival usually altred a vell ing the Moscow Autumn Pastival usually altred a vell ing the Moscow Autumn Pastival usually altred a vell ing the Moscow Autumn Pastival usually altred a vell ing the Moscow Autumn Pastival usually altred a vell ing the Moscow Autumn Pastival usually altred a vell ing the Moscow Autumn Pastival usually altred a suddence of children. Clube at the USSR Composets and the open of play a part, in helping young people team to clube a composet the control of the control on the control of the USSR Composets and the usually altred a vell ing the Moscow Autumn Pastival usually altred a vell ing the Moscow Autumn P

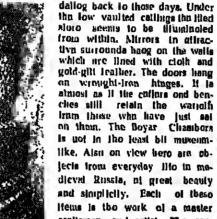
In a number of Moscow schools a special method for leaching music claborated by the reput habe success composer D. Rabalevsky, is being used with success.

HOME NEWS

Places to visit

One at the brauches of Mos cor's flistory Aluxeum la located at the Boyar Chambers, on orchilectural monument dating back in the 16th century, in the Zaryadye district of our capital, Visitors to the guseum imme-

distely account to its charm. Bull to 1565-67 by the brether ol Tsaring Anasiusla, one gets the impression that the tord and lady at the house have just popped out to: a few minutes. No. they didu't flee during une of the popular upristings which were so much parl of the life in Zaryedya. They just got into their sledge and woul on a visit in tilenda - of equally nobin descent. Everything in the house -the belt, the dluing-room, end lba awner's atudy-oro decorated with anthentic phiecis



from within. Mirrors in affractive surrounds hang on the walls which are lined with cloth and gold-gilt Iralier. The doors hang on wrought-from htages. It is almost as if the culpus and ben-ches still relain the warroth irum these who have just sel on them. The Boyar Chambers is not in the least bit museumlike, Alsn on view here are oblecis from everyday life in medicvel Russia, ni great beauty and simplicity. Each of these Items is the work of a master cralismon and artist. The museum is upen daily, except Tuesdays, from 19 a.m. till 5 p.m.



HOUSES THAT CAN

RESIST EARTHQUAKES

A newly built settlement in the Gynur district of Turkmenin

|Soviet Central Asia) will not be

affected by earthquakes, even violent ones. Its Iwo-atoreyed bnuses, built an reclaimed desert

lacd, can withstand earthquakea

ol greel destructiva power. Nor are heavy winter raintalla dan-

gerous to the loose ground on which they stand. Scientists of the institute of

ce, to prder to make the ground

mulas prepared by the scientists.
Multistoreyed houses unallected by earthquakes are a new loalure in the cities of Turkma

nia, which lie to a seismically

Scientists bi the institute of Scientists of the Turkmenian Academy of Sciences have

drawn up selsmic maps of Asb-

drawn up seismic maps of Atc-khabad and dilfarent areas of the republic, marking on them dis-liricie less prone to earthquakes. Staff mombers of the institute of Sciemically Resistant House Building have designed quake-resistant buildings and devel-

oped dozens of superstrong building materials.

acliva zona.

The bayor's study.

The Boyar Chambers

FLOATING ISLANDS

take Ungurplia to siluoled . in he north-east of Latvia. The view of the teke that la to be seeh from the windows of lumas' cottages to November changes as if to a kaleidoscope. Al list and may see a birch enppies, then a black aider trea losts into view, and then back

A Uled stove.

We go again to the grey flat surface at the wator.
There is o very simple explanation for this. There are yen floating islands on the take: The wind billows the "salls! of the branches of the trees growing on them, and the floating coppices move now to one bank now lo the other.

bundred to a thousand square meires in area. The trees, despita boggy, apringy soil, have grown to be up to Iwenty metres Iall, Scientists believe that these islands are made up of sections of peat and soil which becamn sundered from the bank during spring floods. Noture hos created a hydroponic effect with the trees receiving the necessary nuirieni matter from the lake water, and their closely enlengled-roots forming a lramswork which binds the island

The Islanda ore from threa.

A SOUVENIR FROM VALDAI

A fast troike with bells jing-ing under the shaft bow and o coachman eliting on his seal decorate the jackel of a new kielodia. The record to on sale at:the "Valdes Bell" exhibition the town of Valdat, lo the . Nevgorod Region, whore belling is said to have started 200 heats ago.

The record leafures old romances, travalling and coach-mea's songe "The Bell, Its Mo-

motonous Jingling: ", : "The Troiks is Galloping Along...", "You, Sledges, Sledges". and other melodies sung by Sergei Lamesbey, Irina Arkhipova and her Sunghiya to the Accompt Ivan Surahikov. to the accompantment of the State . Russian Choir of the USSR led by record has been issued in 19: thousand copies. The picturesque lacket tells the story of Valdel bell-making., . -

FOLK ART FROM THE AMUR RIVER AREA

The original nri of the people of the Amur Rivar Area is the of the Amur Rivar Area is the subject of o photographic album salitied "Colours of the Derau Lade leaved by Khebarovsk Chiker, whitere and artists bave fluided the treditional methods of wood-carving, hirch-hark lar and fish skins—the arts of hand fish skins—the arts of the chair Library Libra Artistic activity of contemporary cow a constraint to section of all the contemporary cows and artistic activity of contemporary cows a constraint to the contemporary cows and artistic activity of contemporary cows a constraint that contemporary cows are constraint to the contemporary co the state of the second of the second to the second

The 'Antur aborigines' folk ornament bas no analoguas ; lti. the applied art of the peoples of the world. The level of the Artistic activity of contemporary

MOSCOW'S DARWIN

Science and technology

AIR CLEANERS

FOR TANKS

loading powder type cargo from lanks have been solved by the Leningrad Technological Insti-

When unloaded by convenfloral methods, some of the lanks retain up to torry per cent of their contents which then has to be extracted mannally. The new mothed devised by the Lenhquaders consiste in shaking loose the compressed material by a wave of compresed air pumped from Instile the tank, it is believed that this new unhading technique will find broad application in dis-lerent areas of the national economy.

SOLAR-POWERED

Physicists from the Bukhara Teachers College have designed a solar-powered refrigerator whose manufacture has been started by a local factory. It has a solar generalor incorporating a system of communicating reservoles lifted with ammonia. The Justillation, which can produce up to eight or fen kilos of he, has been designed with shopherds and prospectors in

FOR POLLUTION-FREE

Central Asia's first hydro chemical range where geologists monitor the purity of underground currents has been set up in the Vakhah Valley - Ilia largest industrial agrarian zone in South Tajikiston.

Somes of boreholes have been drilled in the soil al potols where powerful subsoil water flaws intersect. The quality of Water is analysed in a inhoratory, and Il there is even the alightest suspicion ol poliulion from industrial wasto, city and village Soviets as well as lactory, and construction and transportation manages will be forced to take relevant men-

Scientists of the market of Scientist IV Restant House Building kelped turn sand Into n solid foundation for houses. A saries of explosions was set of on construction sites, on their advices to order to make the ground Over recent years gealogiste bava discovered substantial resources of pura subsoil water in the Vakhsh Valley. Thin houses themselves era ma-de of strong, light-weight con-crete which was produced from local sand and according to for-

DOLPHINS SLEEP

A scientific discovery in the physiology of the cervous system of the see animals has been entered into the USSR State Register of Discoveries Mos. cow researchers have established that during the sleep one dol-phin's corating hemisphere rests while the other one machines. while the other one tracinos controlling the enimals income more ment. This explains wby, when sleeping, the dolphin goes upperiodically for o new portion of air. The discovery has valuable implications for practical physiology and medicine.

The Darwin Museum 10 Moscow & celebrating its 75th an
niversary this year. It was
A. Kots, the Russiso biologist,
who had the idea of louodlog
the museum to 1913 it had
1,300 exhibits, while today
there are about one huodred
thousand. The museum has the

blook word grouse crows toxes and lyare. There are even plant shipos Recent additions are rare collections of sea shalls and tropical butters files. A unique glant mollusk tridecne was brought from lecture and a tare stuffed kegu bird from New Caledoola.

VIEWPOINT

SOVIET AGRICULTURE: **PROBLEMS** The problems involved in mr. | OF GROWTH

Sergel SUDAREV. specialist on Internationa oconomics, Econamic Rosaarch Instituto at the USSE State Planning Commillag

Last May, Hito Plenary Meet ing at the CPSU Central Con milites approved the Fond Pro gramme which sets a number of largels resuring a high rain o development in agriculture and associated industries, and inprovements to food supplies to the population. The turplemen-tation of the programme which covers the period up to 1900 has nigher the living standards of lie Soviel penjile.

However, some Suvieiningists and commentators to the West regard the adoption of the tro Innomaliat water as puring mool of a crists in Soviet agriulline, to there even o grain auth in turse assertions?

You wit agree that the prob trin of look supplies is rifrectly tinked to the potential of agri-culture. What has Soviet mut niture achieved in the past loonly years? If thrus part that II has made considerable pro-gress. Sallico II to any that grain production went up litte an an mpd average of 130 million for nes between 1961-85 to 205 tonnes between 1876 and 1980. The output of meat showed a corresponding increase from 9 to 15 million tonnes. The volume of ngricultural printince over the period increased 1.5 times.

The production of egricolinia produce grows at a much taster population. There has been onsiderable grawth to the leve ol per capila coasumption in mos oodslutts, particularly those nimal origin. Compared 1965, Iba coosumption of meal has increased 1.4 times, to absouta forms it slands at 17 kg; the consumplies of eggs—1.9 times; of regetables, tish and fish pro-docts — 1.3 limes; at milk ood dlary products -- 1.25 linies incloding butter - 1.4 times

The per capita calery contents tood in this country corres sonds with physiological acads.

And yet, the demand tor took atulfs among the population has been growing faster than pro-duction of the latter, To e terga extent the reason tor this flest in the lact thet over the past 15 years, real per capite income among the population has overly doubled, while prices in the state chops have remained practically unchanged. It is also not reason to take the coordinate that essery to lake late eccount the the percentage of the drhan po-pulation has increased from 53 to 63 per cent, a lect which has also contributed to a rapid growth in the demand for loodtall trade system. Since the production of some lypes of foods fulls has been growing at a somewhat slower pace than is required to the circumstances, there has been an locrosse in the tooks of a unsatisfied demand for some loads, particularly those of adment origin. This is the essen-ce of the food problem in this country today.

E

24

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To solve it, we need to solite ve a further growth in the preuncition of toodstutts on the hasts of an accelerated development to
agriculture. At the same time, fureign imports play a not faconstdutation role in tailarying
the growing demand for food.
The volume of food imports in
1981 stood at the impressive itgury of 14.5 thousand, milition
roubles.

AN INFORMATION No. 95, 1911 MI INFORMATION HOUSE 1963

thousand and o half years ago. Our story is about the guel: and the people who have mane ged to hring its unique, hewit

In the past, the guali was a populas instrument in Russic particularly in the countryetdwhere no lesilvity or wedding could take place without the presence of guali-players.

In time, other etring lostrumente, itko the balalaika, the domra and the guitar, superca-ded the gualt in popularity. Then, testes switched to the lamoue Russian accordion. Inbecome an item in the musicat "Red Data Book", had it not been for the enthusiasia who refused to allow this charming instrument to perish.

Although ibo Silver Strings ensemble was only established in the 60s, its leader Tomielev Yastroupy considers to be a successor of the famous Gdovskaya Starina (or Gdov Antiques) group which was highly popular et the haginning of this century

(Cdov la e town in the Pskov Region in the north-west of the

The first major performance given by the ensemble was devoted to instrumental music. both classical and lolk must was played. However, it became clear right from the beginning that to view of the gusli's pecu liar atructure-with lis 15 airings it only covers ao ocieve aod s half — It had hul a limited clas sicat repertoiro and could thore fore only be of interest to spe cialista.

The genuine forta of the in strument is folklore songs and Ruseien danco tunes. It is hard to tetk about music

ovoryone has his own individust perception of this art. but the melody produced by the guall has a particularly boll-like sound, with a multitude of mo-dulations and a multiplicity of musical voices. When listening to the gual one is engulied by waves of music. And when a lively eong is played on the lastrument, the voice of the guid gladdens the heart.

The group'e new programme s dedicated to the slory of the

repertoire halongs to Russien

music of the toth tBtb confu-

This year it has a now programme consisting of four concerts, it has already given the first concert. The next

will be in December, and

will consist of Russiao music of

vian canios, and of Ukrainian

professional music of the 15tb-

isth centuries. Meny pieces will he pleyed for the first time.

the 16th-17th conjuries. Petro-



The Silver Strings group.

through and through with bu-

Russien North, it performs old Russiae songs such gems of Rus-sian folklors as "The Pedlars", "The Moon is Shioing", and "Komarinskaya" along with modern melodies and soogs which have been especially transcribed for the gusti,

There are many dances to the programme which is penetrated

Photo by Igor Lilayev

Apart from the guell, there ore n bayao, two balalaikas - n prima and an alto, a domra and percussion instruments in the ensemble. Yot, 11 ls above ell the gusti which gives the group its distinctive touch.

Igor MIKHALYOV

saries and historic dates in the life of the Soviet people. Our exhibitions also ecqueint visitors

with the work of ertisis tron

the socialist countries and with

The present oxhibition at the

Central Exhibition Hall Is calted

"The USSR-Our Motherland".

the beet examples of progressive

art in capitalist countries.

LENINGRAD GORKY THEATRE: **NEW SEASON**

The Gorky Thealre in Leningred has opcued the new sea-son with the play "Reading Over Again", a stage interpreta-tion of Lenin's image. The com pany'a production of this play during its recent tour of Sulga-ria was a great success. Before the new accesson opened the com-pany also took part in the thea-tre festival at Salonika, in Cree-co, eed toured Czechoslovak d-

At present we are working on the main production of the season with which we hope to mark the 60th anniversary of the lormation of the USSR, May chief director Georgi Toystonogov. The play in question is a dragatization of the classical Georgien story, "Samanishvill the Stepmother" by D. Kidlash

Among other imminent fint nights at the Gorky Theatre will he a production of "Amadeus" hy P. Sheffer, a modern British playwright. The Gorky Theatre was the first company in the couplry to express interest in the play which is based on a logond about Mozarl and Satieri.

Composor A. Kolker has willten en opera-force, hased on the play, 'The Death of Tarelkin' by A. Sukliovo-Kobylin, speci-elly for the Corky Theatre. Belore etarting rehearsols members of the cest will have to take up singing scriously. They elready have some experience in this field in the company's produclloos of the nuisicals "Khonums and "The History of a Horse" which ere o great success,

The Sovilt Jewish Chamber Musicel Theatre is now working on a production of Sholom Aleichem's "Tevye the Milkman". Staged by Yuri Sharling and Mikhali Gluz, it is lergely based on Jerry Bock's lamous musical. But the producers beve luroed back to the original and have called their show "The

PLANS OF SOVIET JEWISH THEATRE

Fiddler on the Rool-2."
The Soviet Jewish Chambet remarkable synthesis between word, music and dance in his

MUSIC OF PAST AGES

The Madrigel soloists' ensemble of the Moscow Philtrarmonic has revived Byzantine music, the cantos of Petrovian Russia, and works by Ukrainian lyrical composers. The Madrigal ensemble were the first people to take an interest in the music of past epochs. For 16 years now they have been giving concerts of old music. The ensemble also plays old music of European countries, though a special niche in its

Dostoyevsky's world as seen by Glazunov

Ilya Gizzunov, the well-known artist, has finished a major series of litustrations for a new eslected works in tweive volumes by Fyodor Dostoyevsky.
The writer's vest end complex world has attracted me ever sloce I began working as an artisl, says Glazunov. I wanted to find the key to Dos-

terious city which shares its life with bls choracters, the city which servee as a background for most of Dostoyevsky's novels and stories. -

work on a new picture, "Dostoyevsky in St Pelersbarg".

toyovsky's St Petoreburg, a mys-

Glezunov has now begun to

From early Russian art to 19th-century graphics

A show, entitled "The Restoration of Museum Pieces in the USSR", has opened to Moscow, at the exhibition hall at 25 Gor-

Among the items on viow are paintiogs, drawings, ploces of eculpiure and early manuscripts. as well as photos depicting the items to their previous condition and the restorers at work.

The centrepiece of the show

ls a copy of e 15th-century icon-stand from the Kirlilo-Belozeraky Monastery in the Vologda Re



Old Paloreburg. A drawing daltog beck lo the second beti of the



A detail of a copy of a 15th-century too stand from the Kirillo-Belozersky Monestery.

The Archangel Michael A late 15th-cen

MOSCOW'S CENTRAL EXHIBITION HALL most significant events, ennivor

It was 25 years ago, that the Manego (Riding School) in the very heart of Moscow was turned into the Central Exhibition Hall. Thie event was marked by a jubilee exhibition devoted to the 40th enniversary of the Greet October Socialist Revolu-

The exhibits, covering an area of ebout 8,000 square metres, ac-queinted visitors to the show with the remarkable achieve-ments of Soviet multinational

graphic ort.
Since that time more than 120 major exhibitions have been beld at the hall, atlended by up to 20 million people.

The Central Exhibition Half's

Shmidt told MNI: Tho hell'e main lask is to populerize on n wide-scale the creative echievements of artists from all the Union ropublics. In this building we arrange lerge-scal exhibitions to commemorate th

gion (the north-Europeso part

of Russia). This is the only 15th-

eion of Soviet museums to have come dowo to us almost Intect;

59 of its toons have survived. As

woll as copying works of art

heir full aplendour.

Russian town.

ar a fill fall bloom

ho restorers toturn originals to

fifth and 19th-century engra-

vings and drawings convey to us the old-world charm of Rus-

elan towns such as Zareisk, Murom, Ynroslavi, Kostroma and

Pakov.
Portinitie by the talented Doring is the master Ivao Tarkhanov act

ae a coronicle of 18th- and

t9th-century life to the small

The show was sponsored by the ministries of culture of the USSR and Russian Federation, by the USSR Artists Union and the USSR Commission for the USSR

ng in ing

permaneni director, Nikolai

Muelcal Theatro was founded five yeers ago. It is headed by 3B-year-old Yuri Sherilag, who, critics say, has achieved a

WHAT'S ON!

December 7-10

THEATRES

Kremilo Palace of Coogresses (Kremlin). 8, 9—Concerts by prominent artists. Bolshoi Thestra perlormances: 7 — Chopin, "Chopiniena" t "Divertissema ot"

(one-act ballets). Buishol Theatre (Syerdlov Sq). 7, 10-Tchalkoveky, "Bugane Onagin" (opera). 8—Double-bill: Rimsky-Korsakov, "Mozart nod Salieri"t Tchalkovsky, "Iolanthe" (operas). 9—Shostakovich, "The Golden Aga" (ballet).

Stanislevsky and Nemirovich-Daochenko Musical Theatrn (17 Daochenko Musical Theatra (17
Pushkinskayn St.) 7.—A concert,
by opera sololet Boldin. 8 (mat)
— Tchaikovsky, "The Snow
Maldee" (opera); 0 (eye) —
Doublo-bill: Gubarenko, "Tenderness"; Leoncavallo, "Il Pagllacci" (operas), 9—Double-bill;
McLaughiin, "Boomerang";
Schubart "Eventog Daoces" McLaughin, "Bounderang; Schubert, "Bvenlog Daoces" (one-act bailets), 10 (mnt) — Morozov, "Doctor Doolittle" (ballet); 10 (eve)—Tchalkovaky, "Bugene Onegin" (opers),

Operelta Theatre (6 Pushkin-akaya Si). 7—Zhurbin, 'Pene-lope', 8—Gorin, 'Don't Forget

Herostratus" (Contrel Sovie Army Theatre, performance), 9-Kelman, "The Gypsy Princess",

____ FILMS ____ A Test for o Prolession (B

ruslilm Studios, USSR). A drama about how the past ucceremoniously later-feres in our tite and causes lmagioary values.

Cinema "Metropot" (1 Pros-pekt Marxal. Metro Plosiched Revoluisit. A selection of Mosfilm Sirdios productions.
Cinema: "Rossiya" (Pushkia
Sq). Metro Pushkinsknya.

EXHIBITIONS.

Exhibition Hall, RSPSR Artists
Union (7-8 Begovaya St.) "The
Big: Wide Steppes" in exhibition of about 100 paintings, and
drawings by Moscow Delly,
who visited Kazakhstan.
except Tuesday/ noon to 7 p.m.
Metro Begovaya. Trolleyous 20.
Exhibition Hatt. Moscow Beglos: Branch of the Artists Intes

MN INFORMATION No. 95, 191

works by artists from the Mos-Drnzhbe Sports Gym. Lenio Caotral Stedium, 10 — "Soviet-skaya Kuliura" newspaper prizs cow Region: paintings, draw-lags, sculpture, Items of decorativo, applied and folk art. Datty, except Sunday and Monday, noon to 7 p.m. Molro Prolatar-

Soviet epecialies to the Republic of Equatorial Guinea are making

a sizeable contribution towards the expansion of air transport in the

republic. Soviel-hulli aircreft and belicopters have been reliably

operating alongside cational stritoes for the past teo years. Each

in the photo: a Soviet expert and hie Guineac colleages prepare air-

sixth citizen of Guinea files in Soviet-built places,

13 Krutitsky Val). About 250

CONCERT HALLS

Olimpilsky Sporta Complex.
7-10 — "I Sing for You, Russlat"
a verioty performance with popular personeilties from tha

Pular personeilties from the world of show-business and tho

theatre as well as ensembles

Lenio Ceotral Stadium, Palace of Sport (Luzhniki). 8-10 — "A

Garland of Friendship — A Garland of Happiness". Taking part

are variety artists end perfor-

mers of classicat ballet and mo-

__ SPORTS __

EASKETBALL

taking part.

dern dance.

BUSINESS

MUTUALLY BENEFICIAL TRADE

ing tirms from the FRG, Japan and Britain, seld Melti Valogen.

More than 100 Soviel-made electric locomotives and over

1,000 peat-excavaling machines are now in use in Finland. Ships built in Finland are provi-

ded with Soviet-mede equipment

and navigation instruments. In eddition, Pinnish husinessmen show profound interest in the purchase of Soviat liceoses for the menufacture of industriat

The auccessful development

of mulually bonelicial trade he-tweeo the USSR and Ptoland

promotoe hroader denverse. Soviet colomodities to Finland, moloe broader deliveries of

dustries, for hydroelectric sta-

tions, and mining operations, as well as various vuhicles. The mutualty beneficial trade

and economic cooperation het-weeo Brezil and the Sovict

Union has good prespects for

equipment and processes.

etressed Matil Valonen.

Kuneisio, the Soviet-Pinnish

joint-slock company, playa an

important role in expanding Finland's importe of Soviet ma-

As was noted by Matti Valo-

nen, managing director of Ku-

neisto, the range of commodifies supplied by the firm to broad and diversified. Equipment, ma-nufactured in the Soviet Union,

is distinguished by its high level of automation, precision and the ease with which it can he con-

trolicd. Firat-class technical

maintenance is of greet eignili-

cance in ensuring the efficient

opsrailon and long service-life of

It is for this reason that Ku-

nelsto competes successfully on

There is room for both our countries to expand their volume of trade, eard E. Batista,

President of one of Bresil's state-owned mining companios, Vale do Rio Doce. Brazit is interested

in buying from the USSR heavy

egulument lor metallurgical

Promising prospects

the machines sold.

chinery and equipment,

Sportament, 9 c.m. and 3 p.m.
Sportament man and 3 p.m.
Sportamen from Sulgaria,
Hungary, the GDR, Poland,
Carchostovakia, Sweden, and
the Soviet Union will char-

TABLE TENNIS.

bejo CHESS City Chess Club (16 Olimpits ky Prospekti. 8. - Moscow men's championship. 8.15 p.m.

RACING Hippodrome (22 Begovaya St), 8 and 10 — Trotting ond flat recing. 6. p.m. |both days).

and the standard of the WEATHER

December 7-10

in Moscow, city and region, temperatures wilt drop to -5'; -10°C at hight (-5', -12°C) in the Moscow Region) and to -3'; -7°C to the dayline, On December 7 - 10° + 2°C A Central Army Club Sports expected at the end of the period. Snow, Gusty NW and Wwind. Gym (39 Lentingradsky Pros. Peki). g-European Champions Cup. Central Army Club (USSR) 1 # 1# * # # A Madrid Real (Spain). 7 p.m.

The Soviet baskolball in Olmvakon, known as the players with bave no easy the cold, it is seen the one of flurous has the constant that such a bling frost has one of Europe's best teams. been registered.

Contacts

ROBOTS

for Industrial Robots has been set up as part of the Council for Mutuel Economic Assistance (CMEA). It includes representalives of eight socialist countries who have signed a general agree-ment on multitateral cooperation in the designing and organization of specialized and joint mamilacture of Industriel robots. stipulated in the egreement valid until 1995, ts to work out a conceptual basis for the develop-

ment of robol (cchnology, or correspondent was told by Professor Yurevich, Chairman of the Council and Chief Designer. This means that et first we rohols; determine unliked stan-dards; esteblish a list of unified parts and assembles, end sgree

on a programme for standardi-zation, including standardization ol tests. The next slege ts the organization of the internetional division of lahour in the manu-

Polish ahtpbutiders have started to fulfit a major Soviet contract. "Neltogaz-25", the first in a large series of special ships for the Soviet sea sholf research

res, lo Gorky Street.

Among the items on sale are sparkling nacktacse with omerald and aquamaring beads, earthqs, bracelets and ornaments for the hair — all made at Jeblonets on the Nelsee Listicace and Nisoth-Many noyettes were produced this year for our major customer, the Soylet Union, says V. Elen, Jeblonex deputy general director, we sell our levelry to 120 countries, nod 86 per cect of our products go abroad, he stressed. abroad, he stressed.

and contracts

O lho lirst power unit has bean commissioned at a major thermal station at Bitol, in Yugos-lavia. The project is being built with Soviet assistence.

O Spacialisis from the GDS are presenting a wide assori-ment of wallpaper at the exhi-bition half of the All-Union Association of Expocentra. The eshibition, which displays more then 100 semples of different wallpaper, has been mounted by the national loreign trade anlorprise of Verpackung und Bürobedari.

Bürobedari.

© In Solla, the Standing CMEA Commission on Food industries has esemined the implementation of the long-term purposa-orianiad programme of cooperation in agriculture and tood industrias, and outlined massures for a timely accomplishment of the most important tasks envisaged by a number of agraemants. A delegation from the People's Democratic Sopubilc of Yeman allondad as obser

TO THE FORE A Council of Chiel Designers

The council's No i task as

have to ascertein the overeil needs among CMEA numbers for different types of industrial

MAJOR CONTRACT FOR POLISH

SHIPBUILDERS

programmo, has been lauoched from the Gdánsk Lenin ship-yards. The Gdénsk and Szczecin shipyards are lo build 33 ships of this type.

CZECHOSLOVAK HAND-MADE **JEWELRY**

A show-take of the world-renowned handmade jewelry produced by the Czechoslovak Indjonex association has opened in
Moscow at the Viasta stors. It
with also be on view for a month
at the Prage and Souventra stores, to Gorky Street.



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SOVIET RAILWAYS



MALAYSIA: POTENTIAL FOR EXPANDED COOPERATION

Malaysia which this year celebrates its 25 years of incelebrates II: 25 years of Independence pursues a policy
based on hautrality and nonalignment. It attaches great
significance to broader ASEAN
cooperation. Prime Minister
Mahatils bin Mohatiad stressed
in one of his speaches that Manlaysta favours expanding coope;
retion with the Soviet Union in
various fields and that there is no reason why the between the two rounties should not be made stronger

Duting the recent Malayzin-USSR talks on economic prob-lems in Kuala Lumpur the two

aides reiterated their interest in deeper trade and economic lloks. The Soviet Linion huys such traditional goods as rubber, pain oil and tin from Mileyste had exports fettilizare, tractors, machine tools and drugs to the country. The director of one of the largest Maisysten rubber companies has expressed the desire to develop irade relations with Soviet Minus. Our Belarus tractors are at work on the formatives are at work on the company's plantations. A similar dealer is held by many other Malagrian businesamen

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